ORDER NO. SD82122351C8

Service Manual

Honeycomb Disc Speaker System

SB-X100 (K)

[E],[EG],[EF],[EB],
[EK],[EH],[Ei],[XA]

* The black type model is indicated by (K) in the Service Manual.

Areas

* [E] is available in Scandinavia and Switzerland.
* [EG] is available in F.R. Germany.
* [EF] is available in France.
* [EB] is available in Belgium.
* [EK] is available in United Kingdom.
* [EH] is available in Holland.
* [Ei] is available in Italy.
* [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.

Specifications

(Specifications are subject to change without notice for further improvement.)
Weight and dimensions shown are approximate.

Type:	3 way 3 speaker system bass-reflex system
Speakers:	Woofer: 18 cm, Honeycomb Disc Midrange: 5.2 cm, Honeycomb Disc Tweeter: 2.8 cm Honeycomb Disc
Impedance:	8 ohms
Input Power:	100 W, Music 50 W, DIN
Output Sound Pressure Level:	90 dB/W (1.0 m)
Crossover Frequency:	2,000 Hz, 4,500 Hz
Frequency Range:	47 Hz ~ 35 kHz (−16 dB) 59 Hz ~ 33 kHz (−10 dB)
Dimensions:	22.3(W) x 37.2(H) x 20.7(D) cm
Weight:	5.3 kg

TECHNISCHE DATEN

(Spezifikationen können infolge von Verbesserungen ohne Ankindigung geändert werden.)

Typ:	3-Weg-System mit 3 Baßreflex-Lautsprechern
Lautsprecher:	Tieftonlautsprecher: 18 cm, Wabenscheibe Mitteltonlautsprecher: 5,2 cm, Wabenscheibe Hochtonlautsprecher: 2,8 cm Wabenscheibe
Impedanz:	8 ohm
Belastbarkeit:	100 Watt Musik 50 Watt DIN
Abgegebener Schalldruckpegel:	90 dB/W (in 1,0 m Abstand)
Überschneidung-frequenz:	2.000 Hz, 4.500 Hz
Frequenzbereich:	47 Hz ~ 35 kHz (−16 dB) 59 Hz ~ 33 kHz (−10 dB)
Abmessungen:	22,3(B) x 37,2(H) x 20,7(T) cm
Gewicht:	5,3 kg

CARACTERISTIQUES TECHNIQUES

(Sujet à changement sans préaris.)

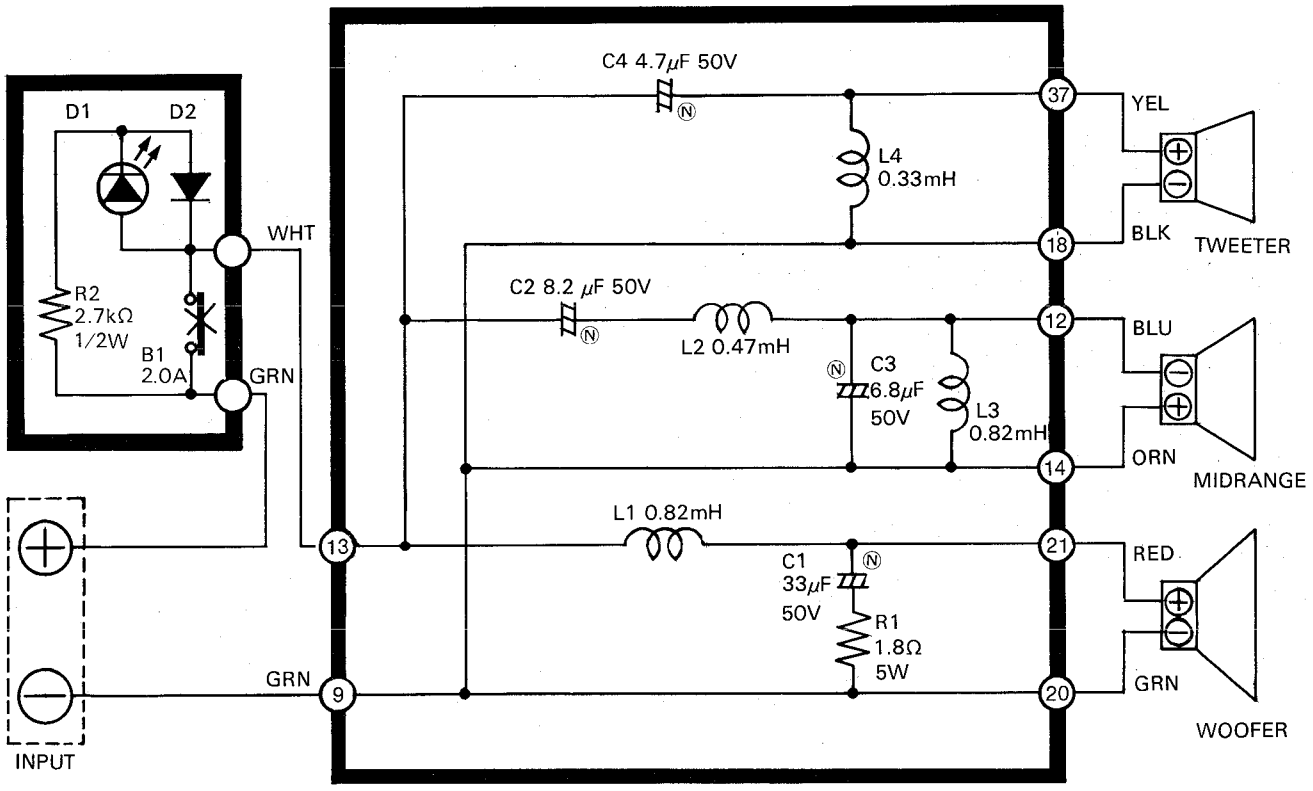
Type:	3 voies, 3 haut-parleurs, bass-reflex
Haut-parleurs:	graves: 18 cm, disque alveéolé moyennes: 5,2 cm, disque alvéolé aigus: 2,8 cm, disque alvéolé
Impédance:	8 ohms
Puissance d'entrée:	100 watts, musique 50 watts, DIN
Niveau de pression sonore de sortie:	90 dB/W (1,0 m)
Fréquence de commutation:	2.000 Hz, 4.500 Hz
Gamme de fréquences:	47 Hz ~ 35 kHz (−16 dB) 59 Hz ~ 33 kHz (−10 dB)
Dimensions:	22,3(l) x 37,2(h) x 20,7(p) cm
Poids:	5,3 kg

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

■ SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)



Ⓝ: Non Polar Capacitor

■ HOW TO REPLACE THE BREAKER

1. When repairing the breaker circuit, remove the plate as in Fig. 1.
2. Take out the breaker circuit.
3. Unfold the parts A and B of the breaker bracket in the direction of the arrow, and remove the printed circuit board. (Fig. 2)
4. Replace the defective parts.

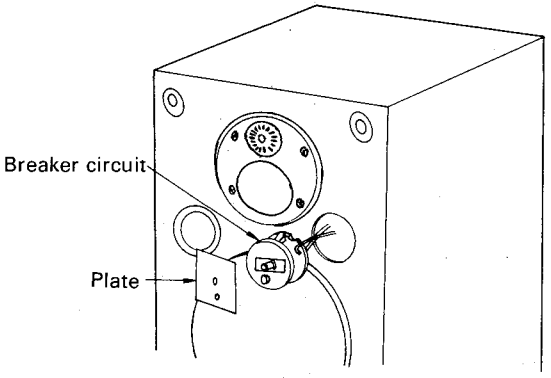


Fig. 1

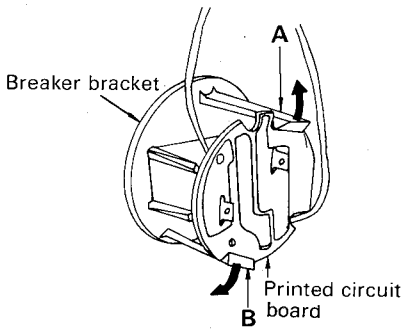
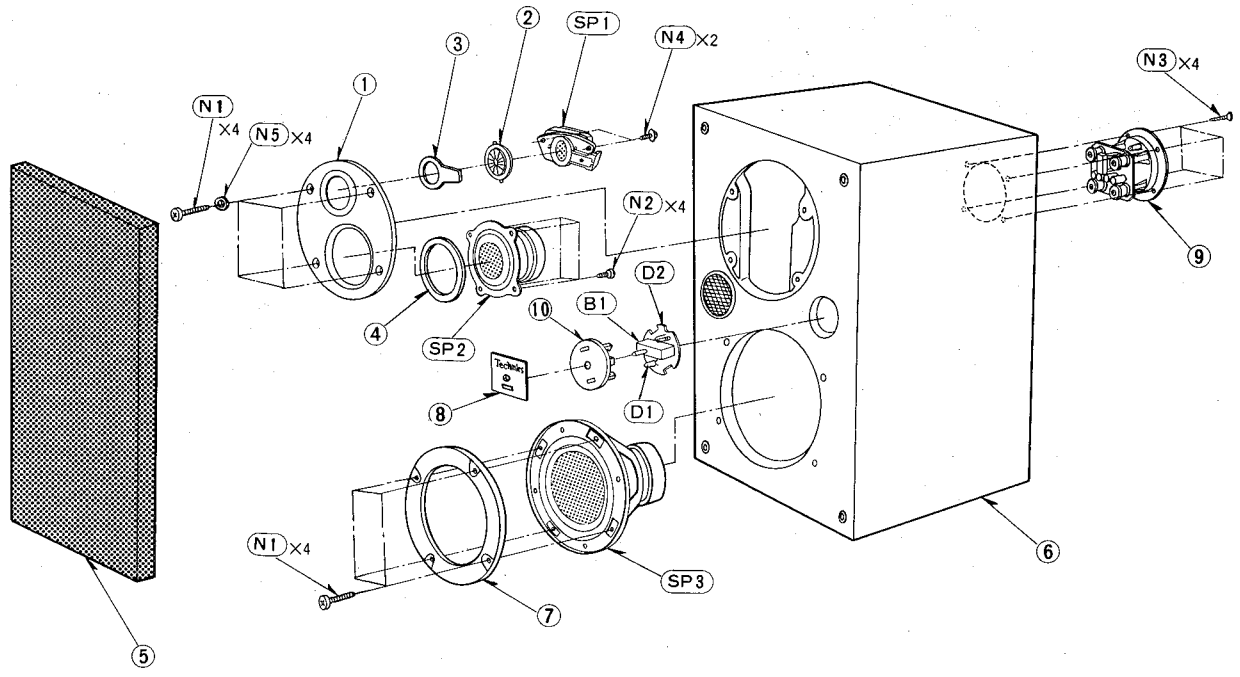


Fig. 2

■ EXPLODED VIEW



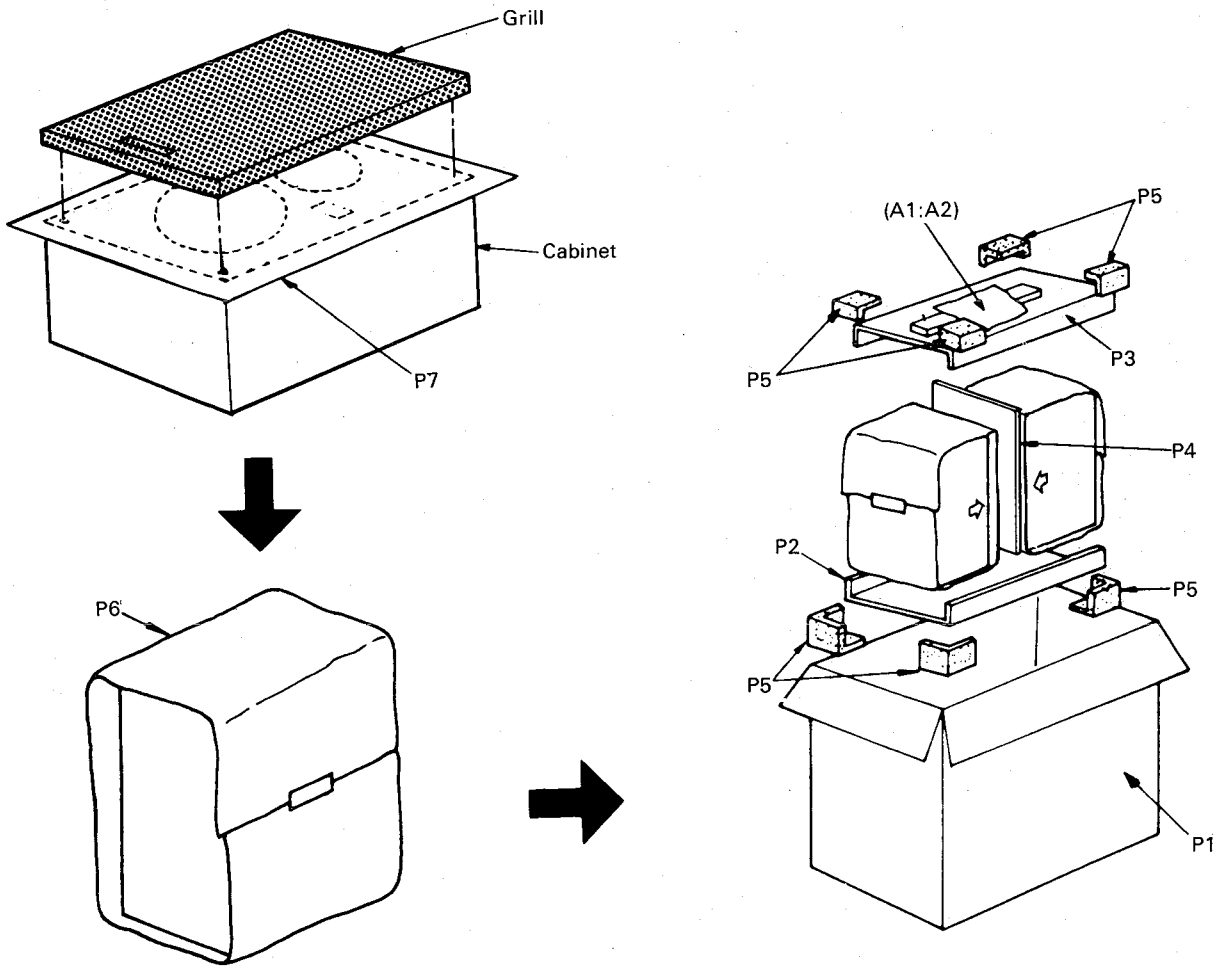
■ REPLACEMENT PARTS LIST

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in columns of description stand for the quantity per set.

Ref. No.		Part No.	Part Name & Description	
SPEAKERS				
SP1		EAS3PH13SA	Tweeter	(1)
SP2		EAS8PM101SD	Midrange	(1)
SP3		EAS18PL67SB	Woofer	(1)
DIODES				
D1		LN21CP	Light Emitting Diode (Protection)	(1)
D2		MA162A	Diode	(1)
RESISTORS				
R1		ERF5ZK1R8B	1.8 Ω, 5 W	(1)
R2		ERD50FJ272	2.7 kΩ, 1/2 W	(1)
CAPACTORS				
C1		ECEA50Y33K	33 μF, 50 V	(1)
C2		ECEA50Y8R2K	8.2 μF, 50 V	(1)
C3		ECEA50Y6R8K	6.8 μF, 50 V	(1)
C4		ECEA50Y4R7K	4.7 μF, 50 V	(1)
COILS				
L1, 3		SLCSA821J	0.82 mH	(1)
L2		SLCSA471J	0.47 mH	(1)
L4		SLCSA331J	0.33 mH	(1)

Ref. No.		Part No.	Part Name & Description	
BREAKER				
B1		SSBS20AB02-1	Thermal Relay 2.0 A	(1)
CABINET PARTS				
1		SGES132	Panel, Tweeter, Midrange	(1)
2		SGES47-1	Equalizer, Tweeter	(1)
3		SHRS9074	Spacer, Tweeter	(1)
4		SHRS9078	Spacer, Midrange	(1)
5		SYBS117-1	Grill	(1)
6		SKABX100KE	Cabinet	(1)
7		SGES134	Ornament, Woofer	(1)
8		SGKS160	Name Plate	(1)
9		SJFS5201-1	Terminal Ass'y	(1)
10		SMES9-1	Holder, Thermal Relay	(1)
SCREWS & WASHER				
N1		SNES9006FZ	Screw, Woofer, Panel	(8)
N2		XTB4 +6F	Screw, Midrange	(4)
N3		XMS31+D16FZ	Screw, Terminal	(4)
N4		XTWSS4+8F	Screw, Tweeter	(2)
N5		SNW423	Washer, Panel	(4)

■ PACKINGS



Ref. No.		Part No.	Part Name & Description	
ACCESSORIES				
A1		SQFS257	Instruction Book	(1)
A2		SWXS218	Cord, Speaker	(1)
PACKING PARTS				
P1 [E]		SPGS200	Carton Box	(1)
P1 [EK]		SPGS200-1	Carton Box	(1)
P1 [EF]		SPGS200-2	Carton Box	(1)
P1 [EG]		SPGS200-3	Carton Box	(1)
P1 [EB]		SPGS200-4	Carton Box	(1)
P1 [EH]		SPGS200-5	Carton Box	(1)
P1 [Ei]		SPGS200-6	Carton Box	(1)
P1 [XA]		SPGS200-7	Carton Box	(1)
P2		SPSS6226	Pad, Bottom	(1)
P3		SPSS6224	Pad, Top	(1)
P4		SPSS6225	Pad, Mid	(1)
P5		SPSS1019	Pad, Corner	(8)
P6		SPHS6024	Sheet	(1)
P7		SPHS6028	Sheet	(1)

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